

IN THE CLAIMS

Please cancel claims 1-15.

Please add new claims 16-33 as follows:

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1 16. (New) A network apparatus comprising:
2 an external network data port;
3 a network data monitor to monitor network data traffic over the external network data
4 port, the network data monitor includes a memory and a set of monitor program instructions
5 stored in the memory;
6 a maintenance data port coupled to the memory of the network data monitor; and
7 a processor coupled to the maintenance data port and in communication with the
8 network data monitor, the processor to execute the set of monitor program instructions and
9 to evaluate the network data traffic, the set of monitor program instructions comprises
10 program instructions transferred to the memory through the maintenance data port.

1 17. (New) The network apparatus of claim 16 further comprising:
2 a network configurator in communication with the processor, the network configurator to
3 automatically configure the network apparatus to permit a selected flow of network data
4 through the external network data port in response to instructions received from the
5 processor.

1 18. (New) The network apparatus of claim 16, wherein the memory of the
2 network data monitor is coupled to the processor to store data and the set of monitor
3 program instructions.

1 19. (New) The network apparatus of claim 16, wherein the maintenance data port
2 is coupled to an external network maintenance station.

1 20. (New) The network apparatus of claim 17, wherein the network configurator
2 comprises a set of network configurator program instructions stored in the memory and
3 executed by the processor.

1 21. (New) The network apparatus of claim 20 wherein the set of network
2 configurator program instructions comprises program instructions transferred to the memory
3 through the maintenance data port from an external network maintenance station.

1 22. (New) The network apparatus of claim 16, wherein the processor transfers
2 information relating to network data traffic through the maintenance data port to an external
3 network maintenance station.

1 23. (New) A method for configuring a network switch including a maintenance
2 data port, processor and memory, the method comprising:
3 monitoring network data traffic;
4 comparing the network data traffic to a threshold condition; and
5 automatically configuring the network switch if the network data traffic meets the
6 threshold condition by transferring a set of network configurator program instructions to the
7 memory through the maintenance data port.

1 24. (New) The method of claim 23, wherein prior to monitoring the network data
2 traffic, the method further comprises transferring a set of monitor program instructions to the
3 memory through the maintenance data port from an external network maintenance station.

1 25. (New) The method of claim 23, wherein the set of network configurators
2 program instructions are transferred from an external network maintenance station.

1 26. (New) The method of claim 23 further comprising transferring monitor
2 information about the network data traffic to an external network maintenance station through
3 the maintenance data port.

1 27. (New) The method of claim 23 wherein automatically configuring of the
2 network switch comprises configuring the network switch in response to instructions
3 received from the processor.

1 28. (New) The method of claim 23 wherein automatically configuring of the
2 network switch comprises configuring the network switch in response to instructions
3 received from an external network maintenance station through the maintenance data port.

1 29. (New) A network apparatus comprising:
2 a maintenance data port to receive a first set of byte codes;
3 a java virtual machine configured to receive the first set of byte codes and to convert
4 the first set of byte codes into a first set of instructions;
5 a memory in communication with the java virtual machine, the memory to be loaded
6 with (i) the first set of instructions to monitor a flow of network data, and (ii) a second set of
7 instructions to automatically configure the flow of network data; and
8 a processor coupled to the memory, the processor to execute the first set of
9 instructions and the second set of instructions.

1 30. (New) The network apparatus of claim 29, wherein the maintenance data port
2 receives the first set of byte codes from a network maintenance station.

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cmld. 1 31. (New) The network apparatus of claim 29 further comprising:
2 an external network data port.

1 32. (New) The network apparatus of claim 31, wherein the flow of network data
2 is monitored at the external network data port.

1 33. (New) The network apparatus of claim 29, wherein the maintenance data port
2 receives the set of byte codes from a network maintenance station.
